

# **Panasonic**

Colour Television

**TC-14L3Z**

## **Operating Instructions**

Please read these instructions completely before operating this set.

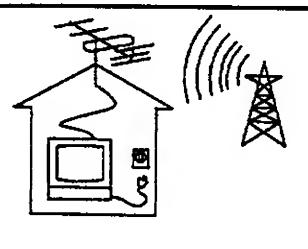
TQB4G0019

# Dear Panasonic Customer

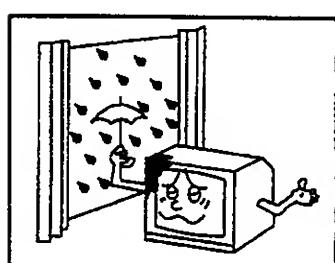
Welcome to the Panasonic family of customers. We hope that you will have many years of enjoyment from your new colour television set.

## Warning and Cautions

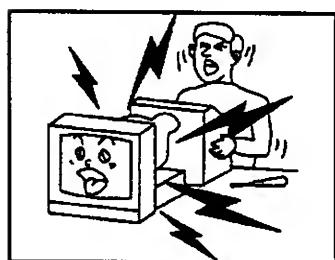
### Power Source and TV System



The TV set can be operated on AC 230 V, 50 Hz. It is designed exclusively for broadcast systems PAL B & G.

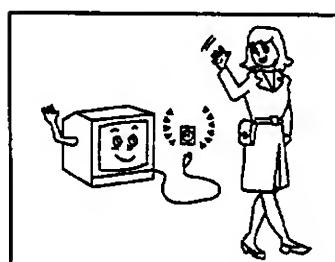


To prevent damage which may result in fire or electrical shock, do not expose the TV set to rain or excessive moisture.



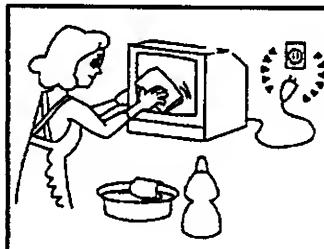
#### High Voltage :

Do not remove the rear cover, as live parts are accessible when it is removed.

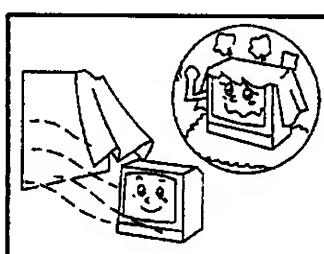


Remove the plug from the wall outlet ( Power point ) when the TV set is not used for a prolonged period of time.

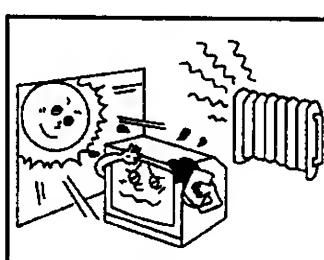
### Cabinet and Picture Tube Care



The cabinet and picture tube can be kept in good condition by simply wiping with a clean, soft cloth moistened with mild detergent and water. Do not use solutions containing benzol, petroleum or a chemical cloth. For safety, remove the plug from the wall outlet.



Adequate ventilation is essential to prevent failure of electrical components.



Avoid exposing the TV set to direct sunlight and other sources of heat.

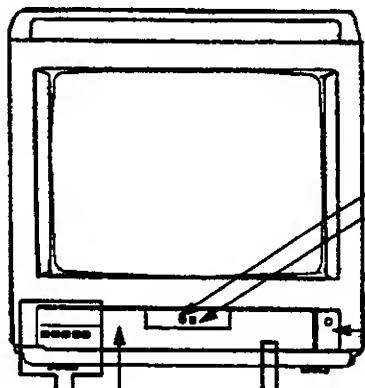
## Contents

• Location of Controls .....	2
• Tuning Procedure (Automatic Search) .....	3
• Tuning Procedure (Manual Search) .....	4
• Fine Tuning Operation .....	5
• Channel Skip Operation .....	6
• General Operation .....	7
• Remote Control Operation .....	9
• Battery Installation and Replacement for Remote Control Transmitter .....	11
• Connection (Audio / Video Input Terminal and TV Output Terminal) .....	12
• Troubleshooting .....	13
• Specification .....	14

# Location of Controls

**Note :** Operating instructions for the numbers from (1) to (7) on this page are explained on page 7 ~ 8. Remote control operation from (8) to (18) are explained on page 9 ~ 10.

(Front)



Remote Control Sensor  
Stand-by Indicator

Power Switch

Push here to open.

(Behind the door)



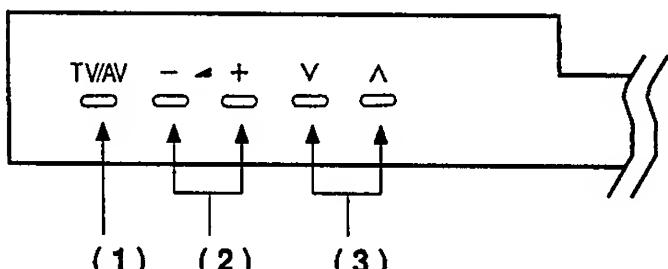
Preset  
Button

( see pg. 3 ~ 5 )

Skip Button

( see pg. 6 )

(Front)

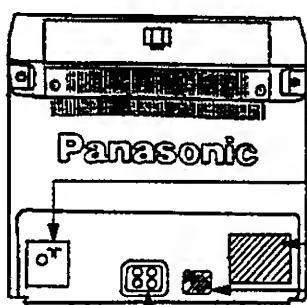


(1)

(2)

(3)

(Rear)



Aerial Terminal

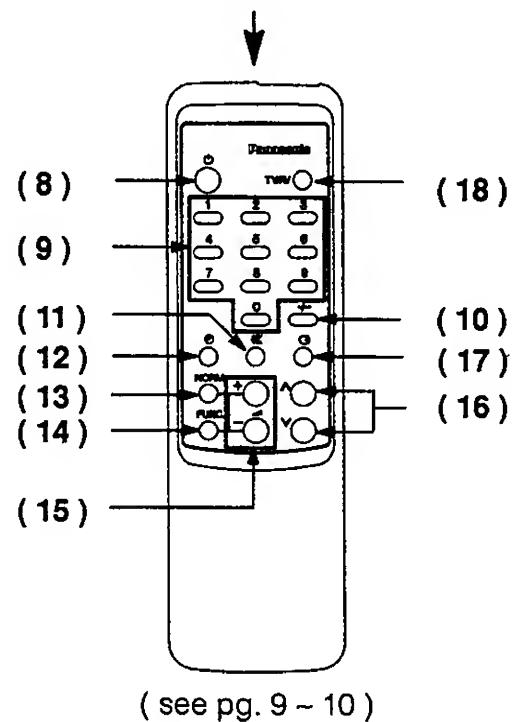
Model Name Plate

Serial Number

AV Terminal

( Remote Control Transmitter )

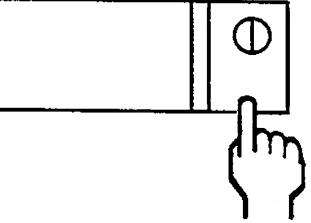
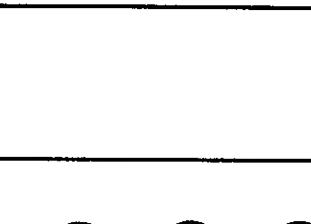
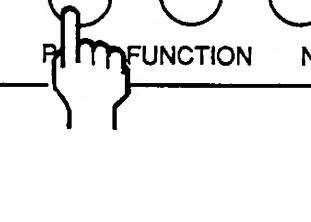
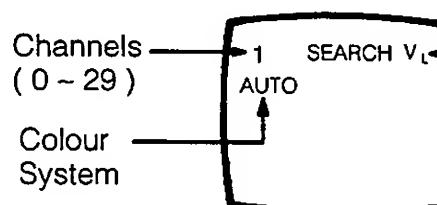
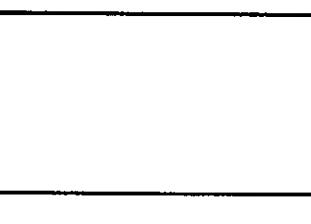
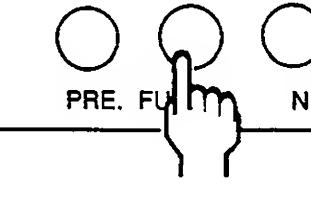
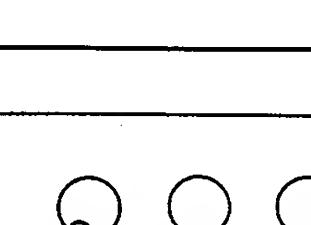
Point the head towards the sensor



### **Tuning Procedure ( Automatic Search )**

This TV set searches automatically through all the VHF and UHF bands. After completion, the best tuning position is automatically memorized on each channel.

## **Operating Steps**

	<p>Push the Power Switch to turn the TV set on.</p>
	<p>Push the "PRE." (PRESET) button until the on-screen display appears as shown:</p>
	<p>Fig. 1</p>  <p>Channels (0 ~ 29)</p> <p>Colour System</p> <p>1 SEARCH <math>V_L</math></p> <p>AUTO</p> <p><math>V_L</math> : VHF Low Band</p> <p><math>V_H</math> : VHF High Band</p> <p>U : UHF Band</p>
	<p>Push the "FUNCTION" button.</p>
	<p>The best tuning position is automatically memorized.</p>
	<p>Push the "PRE." (PRESET) button twice to return the TV set to the normal operating mode.</p> <p>A maximum of 30 channels can be programmed.</p>

# Tuning Procedures ( Manual Search )

In case only few TV broadcasting can be received in your area, this Manual Search operation may be preferable.

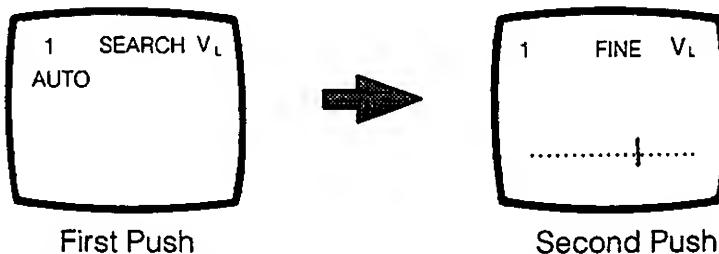
## Operating Steps

1		Push the "PRE." ( PRESET ) button until the on-screen display appears as shown in Fig. 1 on page 3.
2		Push either the Channel Up " ^ " or Down " V " button to select the desired channel on which you want to tune the TV station of your choice.
3		Push either the Level Adjustment Up " + " or Down " - " button, the TV station broadcasting on the next higher or lower frequency will be automatically tuned and memo- rized.  
4		If an undesired TV station is received, push the same button again until the desired TV station is tuned.  Repeat step 2 and 3 to tune all the available TV stations on the remaining channel.  Ensure that a new channel is set ( step 2 ) before tuning the next station.
5		Push the "PRE." ( PRESET ) button twice to return the TV set to the normal operating mode.

## Fine Tuning Operation

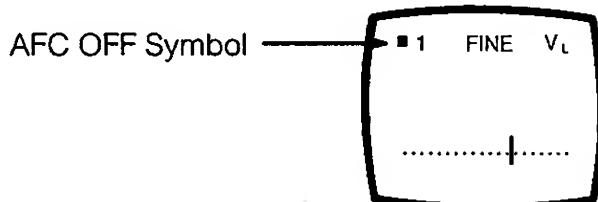
Under normal reception condition, this function is not used. However, in areas of poor reception or constant interference, a slight adjustment on the fine tuning can improve the picture and sound quality.

1. Push the " PRE. " button twice. The on - screen display will appear as shown:



2. Push either the Level Adjustment Up " + " or Down " - " button ( Volume Button ) continuously.

When the above fine tuning operation has been performed,  
The " ■ " symbol appears to the left of Channel Number.  
The AFC function is deactivated.

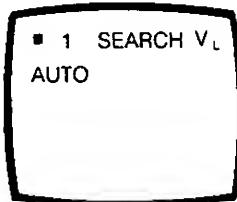


3. Push the " PRE. " button once to return the TV set to the normal operating mode.

## Fine Tuning Cancel Operation

If you want to reset this channel to the automatically tuned condition with the AFC activated, perform the following steps :

1. Push the " PRE. " button once.



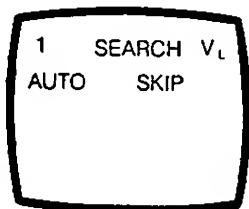
2. Push either the Level Adjustment Up " + " or Down " - " button ( Volume Button ).
3. Push the " PRE. " button twice.

# Channel Skip Operation

This function make it possible to skip the channel on which no TV station is received.  
This function is effective only when the Channel Up "Λ" or Down "∨" button is pushed,  
either on the TV set or the remote control.

## How to set Skip Operation

1. Push the " PRE. " button.
2. Select the channel you want to skip.
3. Push the " SKIP " button.  
If more channels are to be skipped, repeat step 2 and 3.



4. Push the " PRE. " button twice after the skip operation is completed.

## How to cancel Skip Operation

1. Push the " PRE. " button.
2. Select the skipped channel using Channel Up "Λ" or Down "∨" button.
3. Push the " SKIP " button.  
If more skipped channel are to be cancelled, repeat step 2 and 3.
4. Push the " PRE. " button twice after the cancel operation is completed.

# General Operation

( Refer to diagram on Page 2 )

## ( 1 ) TV / AV Selection Button

TV Mode : To receive regular TV channel signals.

AV Mode : The Audio / Video input terminal are activated.

## ( 2 ) Volume Up " + " and Down " - " Buttons

Push the Volume Up " + " button to increase the sound level.

Push the Volume Down " - " button to decrease the sound level.

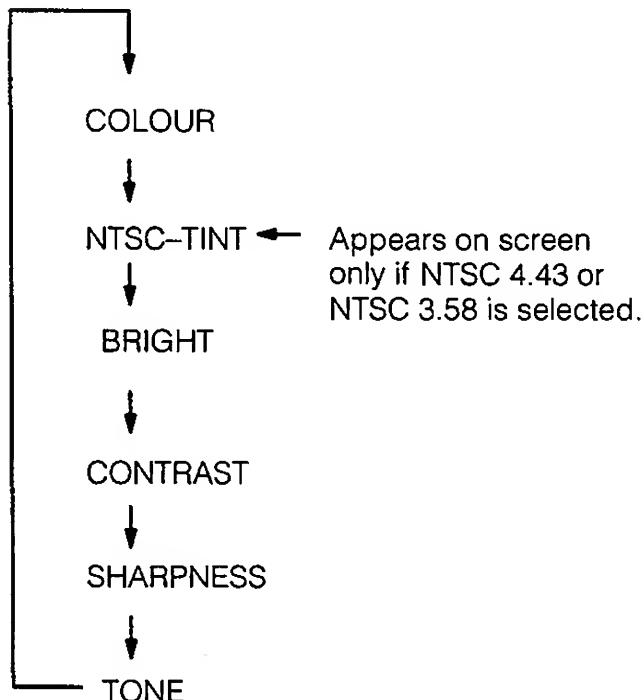
## ( 3 ) Channel Up and Down Buttons

Push the Channel Up " ^ " button to select a higher channel.

Push the Channel Down " V " button to select a lower channel.

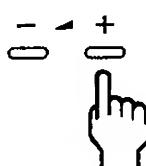
## ( 4 ) Function Button

By pushing the Function button repeatedly, you change the on-screen display as follows:

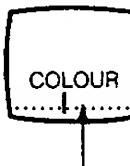


You can select the function you want to change.

e.g. Selecting the " COLOUR " function.



By using the Level Adjustment Up " + " or Down " - " button, the level of selected function can be changed.



Push the " + " button to increase the level of selected function.

Push the " - " button to decrease the level of selected function.

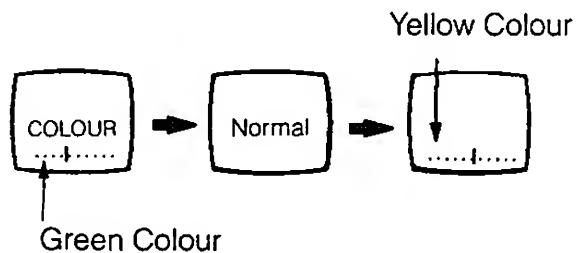
Level indication

Repeat the above steps for the remaining functions.

**Note:** For normal Volume Up / Down adjustment, please wait until the level indication disappear.

## ( 5 ) Normalization Button

This button is used in the function setting. When this button is pushed, all functions setting are normalized or reset to the factory preset level.



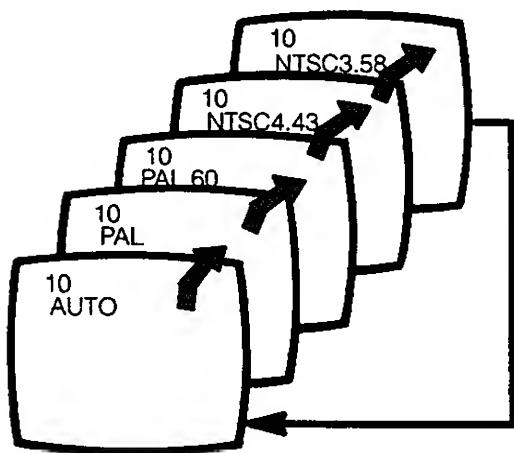
# General Operation

## ( 6 ) System Button

The System button is automatically set to the AUTO mode. If clear picture cannot be obtained when receiving broadcasting or AV signal, push this button repeatedly until the optimum picture is received. When System button is pushed, you change the on - screen display as shown below :

In the AUTO mode, PAL and PAL 60 are automatically defected.

For NTSC 4.43 and NTSC 3.58, use system button to select the required mode.



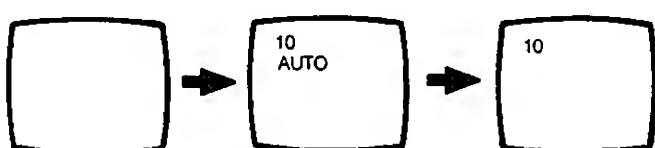
**Note :** NTSC 3.58 appears only in the AV mode.

## ( 7 ) Recall Button

Push the Recall button to activate the on - screen display.

The current channel and Colour System will be displayed.

**Note:** In AV mode, blue colour screen appears if there is no AV signal.



# Remote Control Operation

( Refer to diagram on Page 2 )

## ( 8 ) Stand – by Power Button

Push this button to turn the TV set off.  
( The power on indicator lights up. )

Push it again to turn the TV set on.  
You can also turn on the TV set by pushing  
the " Direct  
Channel Selection " button ( 0 ~ 9 ) or the  
Channel " Up " or " Down " button.

**Note:** Do not leave your TV set on stand-by mode  
for a long period of time.  
It is better to switch it off when you are away.

## ( 9 ) Direct Channel Selection Button

Push one of the 0 ~ 9 channel selection  
button to select a channel number from  
0 ~ 9 directly.

## (10) Two Digit Channel Selection Button

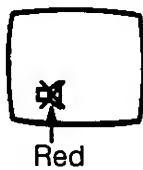
Use this button to select channel  
numbers from 10 ~ 29.

e.g. Select Channel "12".

1. Push the " - / -- " button.
2. Push the " 1 " button.
3. Push the " 2 " button.

## (11) Sound Mute Button

Push this button to mute the volume.



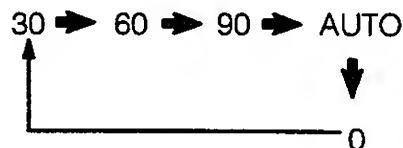
Red

You can restore the previous sound level by  
pushing the " Mute " button one more time or  
push the Volume Up or Down button.

## (12) Off – Timer Button

The TV set can be preset to switch off  
after a fixed period of time.

Push the Off – Timer button will set the TV set  
for 30 minutes, push again to set 60 minutes  
and so on. The sequence is as follow:



e.g. Setting 30 minutes off – timer.



On-screen display appears only when you  
push the " Recall " button.

This will give you the remaining time.  
When Off – Timer reaches its last 3  
minutes, it appears on screen automatically  
and starts blinking as follow:



# Remote Control Operation

( Refer to diagram on Page 2 )

e.g. Setting Off – Timer to AUTO mode.

If the set is not switched off when the TV station ends broadcasting, it will automatically go to stand-by condition after 5 minutes. This AUTO mode will not operate when the TV receiver is on AV mode.

## How to cancel off – timer setting

1. Set the pre-set time condition to "0" mode by pushing the "Off – Timer" button.
2. Turning the TV set off, using the button on the remote control or the power button on the TV set.

**Note:** If TV set is switched off when off-timer setting has not been cancelled, it goes to stand-by mode when you switch it on again. In this case, press the stand-by power button on the remote control.

## (13) Normalization Button

Refer to page 7 for operating instructions under Normalization Button.

## (14) Function Button

Refer to page 7 for operating instructions under Function button.

## (15) Volume Up " + " or Down " – " Button

Push the Volume Up " + " button to increase the sound level.

Push the Volume Down " – " button to decrease the sound level.

These " + " and " – " buttons also function as level adjustment up / down in the Function mode.

## (16) Channel Up / Down Button

Push the Channel Up "  $\wedge$  " button to select higher channel.

Push the Channel Down "  $\vee$  " button to select lower channel.

## (17) Recall Button

Refer to page 8 for operating instructions under Recall button.

## (18) TV / AV Selection Button

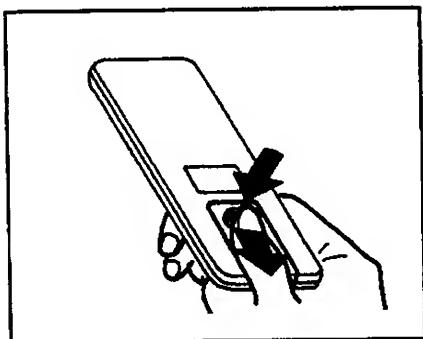
TV Mode : To receive regular TV channel signals.

AV Mode : The Audio / Video input terminal are activated.

# Battery Installation and Replacement for Remote Control Transmitter

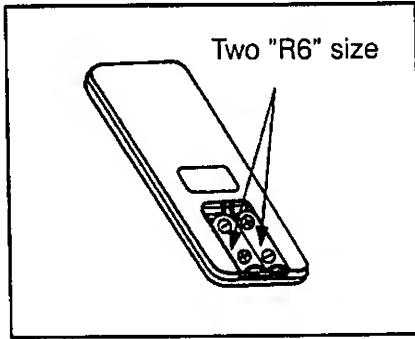
## Battery Installation

Batteries : Use two " R6 " size dry cells.



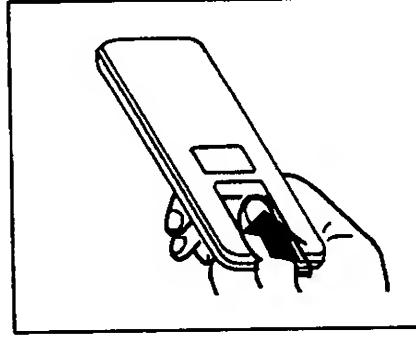
1. Open the cover.

( Press down and slide the cover out. )



2. Replace the batteries.

( Insert the batteries with the correct polarity as indicated by the (+) and (-) symbols. )



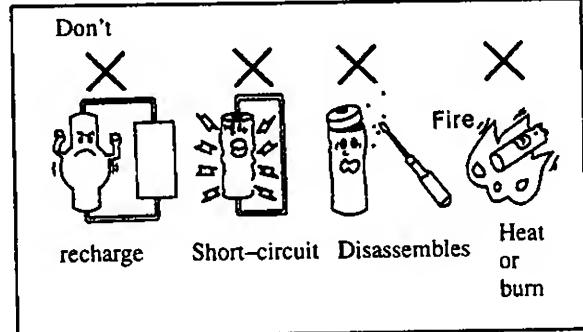
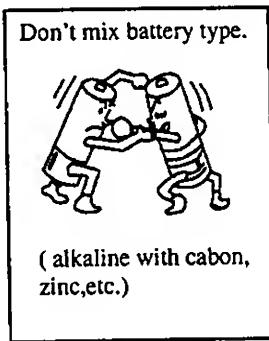
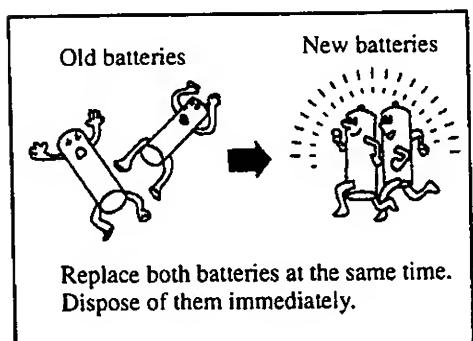
3. Replace the cover.

( A snap-lock holds the cover in place.)

## Battery Precautions

Incorrect use of batteries can cause electrolyte leakage which will corrode the remote control transmitter or cause the batteries to burst.

The following precautions must be carefully observed.



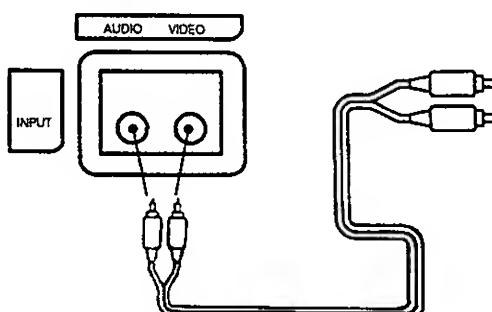
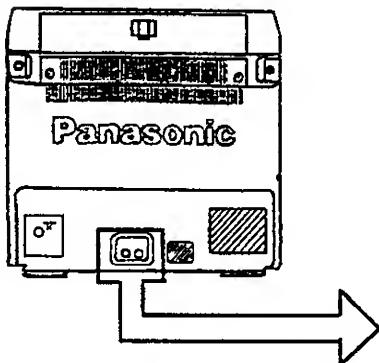
# Connections ( AV Input and TV Output Terminals )

## 1. Connection for AV input terminals.

Select TV / AV selection button to the AV mode.

Connect the " AV " ( Audio / Video ) terminals and other equipment as follow :

( Rear )



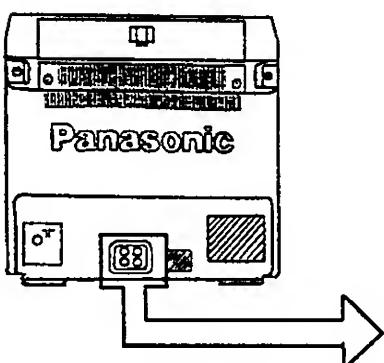
Equipments
VHS VCR
VHS Compact Movie Camera
VHS Movie Camera
Home Computer
TV Game

## 2. Connection for TV output terminals.

Select TV / AV selection button to the AV mode.

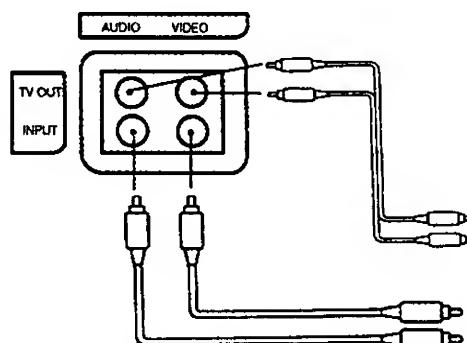
Connect the playback equipment or Recording equipment as follows:

( Rear )



Note :

TV OUT : This function is specially designed to adapt non-tuner VCR for recording.  
Recording or broadcasting signal on TV can be done by non-tuner VCR through the AV terminal.

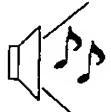
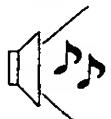
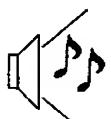
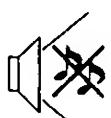
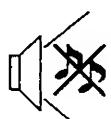
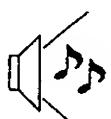
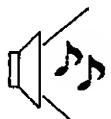


Recording Equipment
VCR

Note : Recording of broadcasting signal only.

# Troubleshooting

Before you call for service, determine the symptoms and make a few simple checks as shown below.

Symptoms		Checks
Picture	Sound	
		<ul style="list-style-type: none"> <li>• Aerial Location, direction</li> <li>• Connection</li> </ul>
		<ul style="list-style-type: none"> <li>• Aerial Location, direction</li> <li>• Connection</li> </ul>
		<ul style="list-style-type: none"> <li>• Electrical Appliances</li> <li>• Cars / Motorcycles</li> <li>• Fluorescent Lamps</li> </ul>
		<ul style="list-style-type: none"> <li>• Volume ( Check whether the mute function has been activated on the Remote Control. )</li> </ul>
		<ul style="list-style-type: none"> <li>• Not plugged into AC outlet</li> <li>• Not switched on</li> <li>• Contrast and Brightness / Volume Setting ( Check by pushing the Power Switch or Stand-by Button on the Remote Control. )</li> </ul>
		<ul style="list-style-type: none"> <li>• Colour Control</li> </ul>
		<ul style="list-style-type: none"> <li>• Re-tune Channels</li> </ul>
		<ul style="list-style-type: none"> <li>• Magnetic interference from unshielded equipment.</li> <li>• Receiver moved while "ON".</li> </ul>
No Colour		<ul style="list-style-type: none"> <li>• System Switch ( Applicable for TV equipped with System Switch )</li> </ul>
Rolling Picture		
H-Line		

# Specification

**Power Source :** 230 V, 50 Hz

**Power Consumption :** 74 W  
6 W ( Stand-by Condition )

**Receiving Systems :** PAL B & G  
PAL 60 ( Special VTR playback only )  
M-NTSC ( Special VTR playback only )  
AV-NTSC ( Special VTR playback only )

**Receiving Channels :** VHF 1 – 11  
UHF 21 – 69

**Picture Tube :** 34 cm ( 14 inches )  
measured diagonally,  
90° deflection

**Audio Output :** 4.0 W ( Max. )

**Dimensions ( W x D x H ) :** 376 x 376 x 377 mm

**Mass ( Weight ) :** 11.30 Kg ( Net )